

# ALC Architectural Linear Series

LED Linear Suspended Pattern Run Luminaire

Fixture Type:

Project Name:

Location:

Date:

## Features

- 2.3 wide architectural linear luminaire available in 2ft/4ft/8ft
- Wattage switchable ( 50%/75%/100%)
- 3CCT Color Temperature adjustable (3000K/3500K/4000K)
- 7 embedded adjustable light distribution by dip switch
- 100% up / 100% down/ 50% up 50% down/ 10% up 90% down
- 30% down 70% up/ 70% down 30% up /90% up 10% down
- Extruded aluminum housing
- 4 Lens options
- Various mounting option include suspended mount, wall mount and surface mount
- 120V continuous run up to 40FT and 277V up to 100FT



## Product Performance Standard

Size	2/4/8FT x 2.3in W X 3.4in H	Power Factor	80
Weight	6 lb	Life Span	50,000
Mounting	Suspended Mount	Dimmable	1-10V Dimming
Color Temp	3 CCT	Efficacy	up to 115 lm/W
CRI	80	Warranty	5 Years
Input Voltage	120-277V	Ambient Operation Temperature	0C° (32°F) ~ 40° (104°F)



## Ordering Guide

Example: ALC-DUW3CCTAWH4'

Fixture Type	Lens	Wattage	CCT	Light Distribution	Finish	Linear Feet
ALC	D = Diffuser C = Conves L = Louver R = Reflector	UW = Wattage Select- able 50%/70%/100%	3CCT = Adjustable color Temp. (30K/35K/40K)	A = Light Distribution Selectable 100%down 100%up 50%up50%down 10%up90%down 90%up10%down 70%up30%down 30%up70%down	WH = White BK = Black	Nominal linear feet = in increments of 4' fixture lengths come in 2'/4'/8'

Last updated: 12-8-2022



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Due to continuous product improvements, specifications and dimensions are subject to change without notice. Certain options have limited compatibility with some other product selections. Consult [www.lironlighting.com](http://www.lironlighting.com) for most current technical information.

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## Ceiling Type

### STEP 2

### Dry Wall Ceiling - Example: AL-PDWR4, AL-NDWR2

Power feed	Canopy Shape	Finish	Canopy Size
AL-PDW			4
Dry Wall Mount	R=Round	WH=Blank	4=4inch
Power feed side	S=Square	BK=Black	
Non - Power feed	Canopy Shape	Finish	Canopy Size
AL-NDW			
Dry Wall Mount	R=Round	WH=Blank	4=4inch
Non power feed side	S=Square	BK=Black	2= 2inch

Notes:

Dry wall ceiling mounts will consist of:

Power feed side: AL-SP(RorS)4 = 4" Round or Square canopy, AL-DKC = J-box cross bar, AL-CABLESFT = 5FT Power feed, AL-AC = Suspension Cable

Non power feed side: AL-SP(RorS)(2or4) = 4" or 2" Round or Square canopy, AL-AC=Suspension cable

### Drop ceiling - Example: AL-PTBR9F4, AL-NTBR9F2

Power feed	Canopy Shape	Grid Size	Grid Type	Finish	Canopy Size
AL-PTB					4
Drop ceiling mount	R=Round	9=9/16	F=Flat	WH=Blank	4=4inch
Power feed side	S=Square	15=15/16	S=Slot	BK=Black	
Non-Power feed	Canopy Shape	Grid Size	Grid Type	Finish	Canopy Size
AL-PTB					
Drop ceiling mount	R=Round	9=9/16	F=Flat	WH=Blank	4=4inch
Non-Power feed side	S=Square	15=15/16	S=Slot	BK=Black	2=2inch

Drop ceiling mount will consist of:

Power feed side: AL-SP(RorS)4==4" Round or Square canopy, AL-PDKT=T bar power feed kit, AL-CABLE5FT=5FT Power feed, AL-AC=Suspension Cable

Non- Power feed side: AL-SP(RorS)(2or4)= 4" or 2" Round or Square canopy, AL-DKT= T bar non power feed kit, AL-AC=Suspension Cable



Continue the ordering steps on the next page.



# ALC Architectural Linear Series

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Fixture Type:

Project Name:

Location:

Date:

## Pattern Connector

### STEP 3

ALC-CC = Cross  
Connector

A'	B'	C'	D'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ALC-YC = Y  
Connector

A'	B'	C'	D'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ALC-VC = V  
Connector

A'	B'	C'	D'
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ALC-TC =  
T Connector

A'	B'	C'	D'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ALC-LC = L  
Connector

A'	B'	C'	D'
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

C = Custom Pattern

## Optional

### STEP 4

Emergency Battery Backup

☐

EM= Emergency battery backup  
(EMBK8WH-A-EXT02)

Diffuser Lens Roll

☐

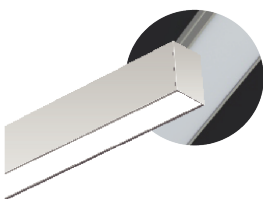
LR42 = 42' diffuser lens roll

End of the ordering step

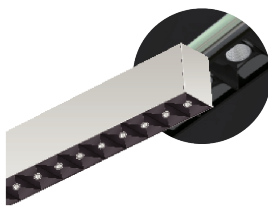
## Performance Data:

Lens	Diffuser	Louver	Micro Reflector	Convex
Lengths	2ft, 4ft, 8ft	2ft, 4ft, 8ft	2ft, 4ft, 8ft	2ft, 4ft, 8ft
Wattage	20W/ 40W/ 80W	20W/ 40W/ 80W	20W/ 40W/ 80W	20W/ 40W/ 80W
Efficay	115lm/W	90lm/W	115lm/W	95lm/W

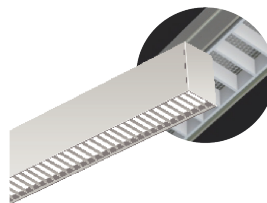
## Lens:



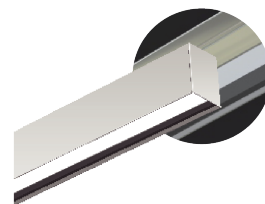
Diffuser  
(-D)



Micro Reflector  
(-R)



Louver  
(-L)



Convex Lens  
(-C)

# ALC Architectural Linear Series

LED Linear Suspended Pattern Run Luminaire

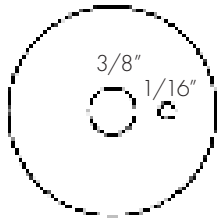
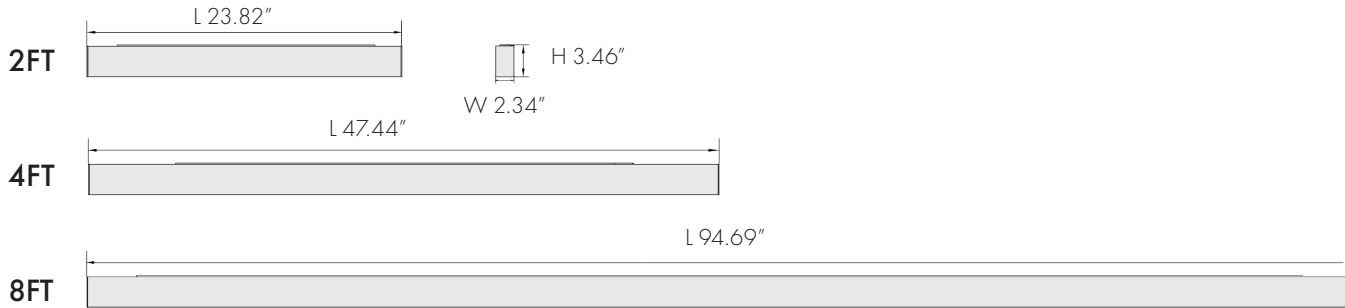
**Fixture Type:**

**Project Name:**

**Location:**

**Date:**

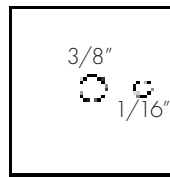
## Dimensions:



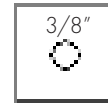
4" Power Feed  
Round Canopy



2" Non-Feed  
Round Canopy



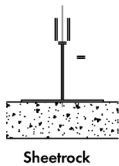
4" Power Feed  
Square Canopy



2" Non-Feed  
Square Canopy

## Ceiling Type

### Dry Wall Mount



Sheetrock



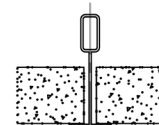
Various "Hard Ceilings"



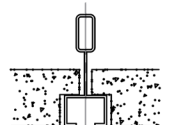
### Drop Ceiling / Off Grid

Compatible for various T grid

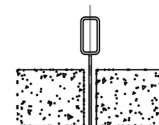
- 9/16" Flat
- 15/16" Flat
- 9/16" Slat
- 15/16" Slat



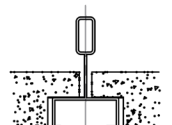
9/16" Flat Ceiling



9/16" Slot Ceiling

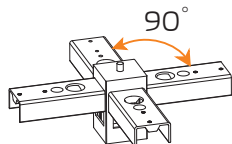


15/16" Flat Ceiling



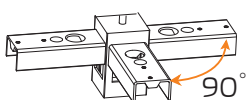
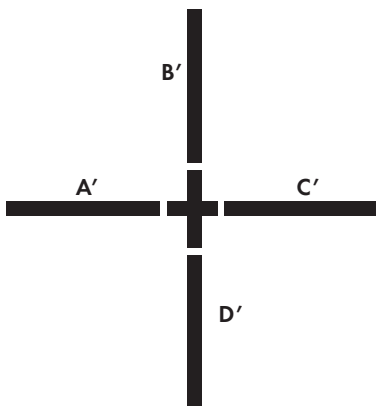
15/16" Slot Ceiling

## Pattern Connector:



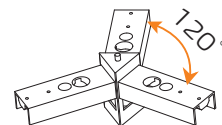
### Cross Connector

Provide A/B/C/D dimension  
Example: A=4', B=4', C=4', D=4'  
Part number:  
ALC-CC4444



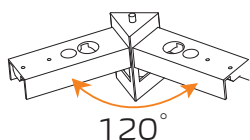
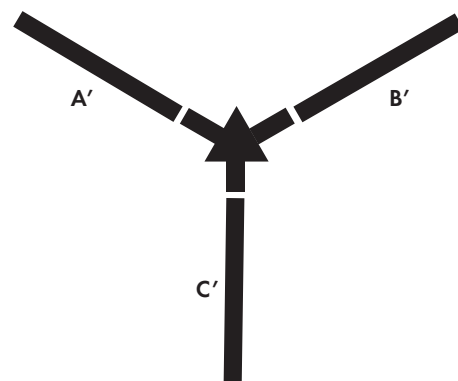
### T Shape Connector

Provide A/B/C dimension  
Example: A=4', B=2', C=4'  
Part number:  
ALC-TC424



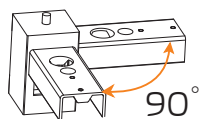
### Y Shape Connector

Provide A/B/C dimension  
Example: A=4', B=4', C=4'  
Part number:  
ALC-YC444



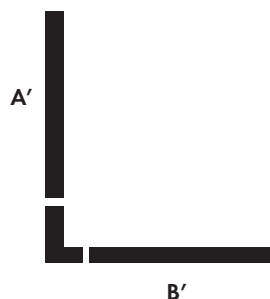
### V Shape Connector

Provide A/B dimension  
Example: A=4', B=4'  
Part number:  
ALC-VC44



### L Shape Connector

Provide A/B dimension  
Example: A=4', B=4'  
Part number:  
ALC-IC44



Standard pattern shape  
Mounting Points:

25.56" for 2' fixture  
50.64" for 4' fixture  
100.92" for 8' fixture



# ALA1 Architectural Linear Series

LED Linear Suspended Pattern Run Luminaire

Fixture Type:

Project Name:

Location:

Date:

## Custom Pattern:

Example Custom Pattern Chart

Pattern No.	Run Configuration	Connector		5' Power Cable	5' Aircraft Cable	4.5" Canopy (Designed for power cable)	1.6" Canopy
		T	+				
1	8'+4'+4'+4'+2'+2'+2'+2'	2	1	4	9	4	5
2	8'+4'+4'+2'+2'+2'+2'	3	0	4	8	4	4

